

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (Currently Amended) Signal processing apparatus comprising:
tuning means for generating first and second IF signals;
first AGC means for generating a first AGC signal responsive to said first IF signal within a first bandwidth;
second AGC means for generating a second AGC signal responsive to said second IF signal within a second bandwidth;
third AGC means for generating a ~~wide-band~~ third AGC signal responsive to at least one of said first and second IF signals within a third bandwidth wherein said third bandwidth is greater than each of said first bandwidth and said second bandwidth; and
switching means for selectively providing one of said first, second and third AGC signals to said tuning means responsive to a predetermined condition.
2. (Previously Presented) The signal processing apparatus of claim 1, wherein:
said first IF signal represents an analog channel; and
said first AGC means comprises an analog demodulator.
3. (Previously Presented) The signal processing apparatus of claim 1, wherein:
said second IF signal represents a digital channel; and
said second means comprises a digital demodulator.
4. (Previously Presented) The signal processing apparatus of claim 1, wherein said third AGC means comprises a wide band AGC detector.
5. (Previously Presented) The signal processing apparatus of claim 1, further comprising processing means for outputting a control signal that causes said switching means to provide one of said first, second and third AGC signals.

6. (Previously Presented) The signal processing apparatus of claim 1, wherein: said first and second AGC signals are narrow band signals.
7. (Currently Amended) A method for providing an AGC function, comprising:
using a tuner to generate one of first and second IF signals;
generating a first AGC signal responsive to said first IF signal within a first bandwidth;
generating a second AGC signal responsive to said second IF signal within a second bandwidth;
generating a ~~wide band~~ third AGC signal responsive to at least one of said first and second IF signals within a third bandwidth wherein said third bandwidth is greater than each of said first bandwidth and said second bandwidth; and
using a switch to selectively provide one of said first, second and third AGC signals to said tuner responsive to a predetermined condition.
8. (Previously Presented) The method of claim 7, wherein said first IF signal represents an analog channel.
9. (Previously Presented) The method of claim 7, wherein said second IF signal represents a digital channel.
10. (Previously Presented) The method of claim 7, further comprised of generating a control signal that causes said switch to provide one of said first, second and third AGC signals.
11. (Previously Presented) The method of claim 7, wherein:
said first and second AGC signals are narrow band signals; and
said third AGC signal is a wide band signal.

12. (Currently Amended) A television signal receiver, comprising:
a tuner operative to generate first and second IF signals;
a first demodulator operative to generate a first AGC signal responsive to said first IF signal within a first bandwidth;
a second demodulator operative to generate a second AGC signal responsive to said second IF signal within a second bandwidth;
a wide band AGC detector operative to generate a third AGC signal responsive to at least one of said first and second IF signals within a third bandwidth wherein said third bandwidth is greater than each of said first bandwidth and said second bandwidth; and
a switch operative to selectively provide one of said first, second and third AGC signals to said tuner responsive to a predetermined condition.
13. (Previously Presented) The television signal receiver of claim 12, wherein:
said first IF signal represents an analog channel; and
said first demodulator comprises an analog demodulator.
14. (Previously Presented) The television signal receiver of claim 12, wherein:
said second IF signal represents a digital channel; and
said second demodulator comprises a digital demodulator.
15. (Previously Presented) The television signal receiver of claim 12, further comprising a processor operative to output a control signal that causes said switch to provide one of said first, second and third AGC signals.
16. (Previously Presented) The television signal receiver of claim 12, wherein:
said first and second AGC signals are narrow band signals; and
said third AGC signal is a wide band signal.